

We Claim:

1. An adjusting device for adjusting a sheet transport cylinder in a sheet-fed rotary printing machine, depending upon various printing-material thicknesses, comprising a mounting support for mounting the sheet transport cylinder so that a rotational axis of the sheet transport cylinder is adjustable from a first axial position, which corresponds to a given printing-material thickness, to a second axial position, which corresponds to another printing-material thickness and is axially parallel to said first axial position.

2. The adjusting device according to claim 1, wherein said mounting support comprises at least one eccentric bearing having an eccentricity.

3. The adjusting device according to claim 1, wherein a movement path described by an axis of rotation during an adjustment thereof from said first to said second axial position corresponds to a line which determines a change in cylinder nips, which, in terms of size, is effected at least approximately to the same mutual extent, said nips being formed by the sheet transport cylinder together with adjacent cylinders.

4. The adjusting device according to claim 1, wherein the sheet transport cylinder is disposed between another sheet transport cylinder and an impression cylinder.

5. The adjusting device according to claim 1, wherein said rotational axis of the sheet transport cylinder, both in said first and in said second axial position thereof, extends axially parallel to an axis of rotation of an adjacent impression cylinder.

6. The adjusting device according to claim 1, wherein adjusting directions lie at least approximately on a bisector of an angle determined by the axis of rotation of the sheet transport cylinder and axes of rotation of other sheet transport cylinders adjacent to the first-mentioned sheet transport cylinder.

7. A sheet-fed rotary printing machine having at least one adjusting device for adjusting a sheet transport cylinder, depending upon various printing-material thicknesses, comprising a mounting support for mounting the sheet transport cylinder so that a rotational axis of the sheet transport cylinder is adjustable from a first axial position, which corresponds to a given printing-material thickness, to a second axial position, which corresponds to another

printing-material thickness and is axially parallel to said first axial position.

CONFIDENTIAL